UNITED STATES DEPARTMENT OF AGRICULTURE
Rural Utilities Service
Washington, DC 20250-1500

Time: 9 a.m., EST, Thursday, September 29, 2005

TECHNICAL STANDARDS COMMITTEE A (TELECOMMUNICATIONS)

MEETING #777

Summary of Decisions

1. EdgeIQ Platform (Item ene) – Versatel Network Edge

Committee A granted RUS product acceptance to Versatel Networks' EdgeIQ Platform which will be included in the in the *RUS List of Materials Acceptable for Use on Telecommunications Systems of RUS Borrowers* as follows:

ene - Network Elements		
Manufacturer		**Type Designation**
Versatel Networks		EdgeIQ Platform(2)

Notes:

2. Includes the IQ1500 and IQ4000 media gateways.

2. DTerminator (Item er) - Tyco Electronics

Committee A granted RUS product acceptance to Tyco Electronics' DTerminator 2 ICT which will be included in the *RUS List of Materials Acceptable for Use on Telecommunications Systems of RUS Borrowers* as follows:

er - Cable Enclosures

er-c Ready-Access Enclosures e/w with IDC Terminal Blocks
(Fixed Count Enclosures)

Strand-mounted, with two branch entrances (for lashed cables)

Filled Unprotected

	Main Cable Dia. Range	Branch Cable Dia. Range	Series
Tyco Electronics	0.55-1.90"	0.00-1.50"	DTerminator 2 ICT-B
	0.50-1.50"	0.00-1.00"	DTerminator 2 ICT-A

Strand-mounted, with two branch entrances (for lashed cables)

Filled Protected

	Main Cable Dia. Range	Branch Cable Dia. Range	Series
Tyco Electronics	0.55-1.90"	0.00-1.50"	DTerminator 2 ICT-B
	0.50-1.50"	0.00-1.00"	DTerminator 2 ICT-A

wt - Pole Mounted Wire Terminals

wt-a Unprotected Filled Blocks

Manufacturer	Catalog Number							
	1-Pair	10-Pair	12-Pair	15-Pair	20-Pair	25-Pair	30-Pair	50-Pair
Tyco Electronics[(1)] (DTerminator 2)	--	DT2-PMT	DT2-PMT	DT2-PMT	DT2-PMT	DT2-PMT	DT2-PMT	(DTerminator 2)

wt-b Protected Filled Blocks

	1-Pair	10-Pair	12-Pair	15-Pair	20-Pair	25-Pair	30-Pair	50-Pair
Tyco Electronics[(1)(3)]	--	--	DT2-PMP	DT2-PMP	DT2-PMP	DT2-PMP	DT2-PMP	DT2-PMP

Note:

1. Order stub cable length in accordance with manufacturer's instructions.
2. These protected blocks use the Energy Network Power, Energy Systems Communications 1557 (R-800) cable-class "medium duty" arrester.
3. These protected blocks use the DTerminator 2 DT2 (PMP) cable-class "heavy duty" arrester. Add details on Tyco types of protection i.e. - Fail-Safe and Fail-Safe/Vent-Safe 3-element gas discharge tube.

3. Fiber Optic Cable (oc) – Draka Comteq

Committee A granted RUS product acceptance to Draka Comteq's Microduct Cable. This cable will be included in the *RUS List of Materials Acceptable for Use on Telecommunications Systems of RUS Borrowers* as follows:

oc-Fiber Optic Cable							
RUS Standard Designations "BFO", "CO", and "UO" (Filled) 7 CFR 1755.900 These manufacturers' cables shown by catalog designations comply with 7 CFR 1755.900.							
oc-d Dry Filled Multiple Loose Tube Fiber Core Construction(3)(23)							
RUS Standard Suffixes							
Cable Construction							
						Mode	
Manufacturer	**E(1)**	**F(1)**	**G**	**H**	**P(2)**	**s**	**m**
Draka Comteq	EZ PREP™ Loose Tube(6)	EZ PREP ™ Loose Tube(6)	EZ PREP ™ Loose Tube(6)	EZ PREP ™ Loose Tube(6)	-	X	-
	-	Non-Armored Flex Tube™(6)(29)	Armored Flex Tube™(6)(18)	-	-	X	-
		DR740L Series(9)	-	-	-	X	X
		Microduct Cable(3)(32)				X	-

Notes:

(3) May contain multiple fibers per tubes.

(32) For air blown microduct (a duct having an inner diameter of 10 to 13 mm) installations only.

4. Canister & Taut Sheath Free Breathing Closures (pl) – Corning Cable Systems

Committee A granted RUS product acceptance to Corning's Canister/In-Line, and Taut Sheath Free Breathing Closures. These closures will be included in the *RUS List of Materials Acceptable for Use on Telecommunications Systems of RUS Borrowers* as follows:

pl - Splice Closure

Manufacturer	In-Line	Butt	Branch	Encapsulant(2)	Maximum Splice Capacity(8)
		e - Aerial Splice Closure for Fiber Optic Cables(1)			
		Non-Filled(7)			
Corning Cable Sys.(10)	LCA9T34	LCA9T34	LCA9T34		72
	SCA-9T34	SCA-9T34	SCA-9T34		240
	SCA-KT9	SCA-KT9	SCA-KT9		48

f – Buried/Underground Splice Closure for Fiber Optic Cables[1]

Non-Filled

Corning Cable Sys. [10]	SCF-6C22	SCF-6C22	SCF-6C22	72
	SCF-6C28	SCF-6C28	SCF-6C28	288
	SCF-8C28[11]	SCF-8C28[11]	SCF-8C28[11]	576
	SCC-6C22	SCC-6C22	SCC-6C22	10
	SCC-6C28	SCC-6C28	SCC-6C28	20
	SCC-8C28	SCC-8C28	SCC-8C28	30
	SCP-6C22	SCP-6C22	SCP-6C22	96

Notes:

[10] Accepted entire closure series with accessories, couplers, splitters, organizers, etc.

[11] Accepted entire series except one, SCF-8C28-9F is listed for non-domestic use only.

Committee A also granted RUS technical acceptance to the following closures that will be included in the non domestic list (http://www.usda.gov/rus/telecom/materials/index_accepted.htm) as follows:

LIST OF NONDOMESTIC PRODUCTS

f - Buried Splice Closure for Fiber Optic Cables[1]

Manufacturer	In-Line	Butt	Branch	Encapsulant[2]	Maximum Splice Capacity[8]
		Non-Filled			
Corning Cable Sys. [1]	SCF-6T30	SCF-6T30	SCF-6T30		192
	SCF-8C28-9F	SCF-8C28-9F	SCF-8C28-9F		432
	SCF-6T40	SCF-6T40	SCF-6T40		384
	SCF-8T40	SCF-8T40	SCF-8T40		576

Notes:

(1) Accepted entire closure series and accessories, couplers, splitters, organizers, etc.

(Technical Acceptance expires on 09/30/07.)

5. Opticsheath Advantage Terminals (pl) –Corning Cable Systems

Committee A granted RUS product acceptance to Corning's Canister Optisheath Advantage Terminals. These terminals will be included in the *RUS List of Materials Acceptable for Use on Telecommunications Systems of RUS Borrowers* as follows:

pl - Splice Closure

Manufacturer	In-Line	Butt	Branch	Encapsulant(2)	Maximum Splice Capacity(8)
e - Aerial Splice Closure for Fiber Optic Cables(1)					
Non-Filled(7)					
Corning Cable Sys.(10)	SCA-9T24(12)	SCA-9T24(12)	SCA-9T24(12)		216
	SCA-6T24(12)	SCA-6T24(12)	SCA-6T24(12)		72
f – Buried/Underground Splice Closure for Fiber Optic Cables(1)					
Non-Filled					
Corning Cable Sys. (10)	UCA4-xx	UCA4-xx	UCA4-xx		72
	UCA5-xx	UCA5-xx	UCA5-xx		72

Notes:

(10) Accepted entire closure series with accessories, couplers, splitters, organizers, etc.

(12) Acceptance includes SNAP and Optisheath Advantage terminals.

6. PON-FAT Pedestals (Item se) – ADC

Committee A granted RUS product acceptance to ADC's PON Fiber Access Terminals (FAT pedestals). These pedestals will be included in the *RUS List of Materials Acceptable for Use on Telecommunications Systems of RUS Borrowers,* as shown below:

se - Buried Plant Housings (Complies with 7 CFR 1755.910)														
Type BD Pedestals (Listed manufacturers are accepted to supply housing types as indicated by X's.)														
			Type M Pedestals											
											Pole Mounted			
			Pedestal Mounted				**Pole Mounted**				(Increased Height. Above Ground			
Manufacturer	**Series**	**Notes**	**BD14**	**BD15**	**BD16**	**BD17**[18]	**BD14A**	**BD15A**	**BD16A**	**BD17A**[18]	**BD14AG**	**BD15AG**	**BD16AG**	**BD 17AG**[18]
ADC	OmniReach (FAT)	19, 20			X	X			X	X			X	X

7. Versatile Access Pedestal (VPED, Item se)

Committee A accepted extending Corning's VPED listing with the addition of the OptiDrop which will be included in the *RUS List of Materials Acceptable for Use on Telecommunications Systems of RUS Borrowers* as shown below:

se - Buried Plant Housings **(Complies with 7 CFR 1755.910)**														
Type BD Pedestals **(Listed manufacturers are accepted to supply housing types as indicated by X's.)**														
			Type M Pedestals											
											Pole Mounted			
			Pedestal Mounted				**Pole Mounted**				**(Increased Height. Above Ground**			
Manufacturer	**Series**	**Notes**	**BD14**	**BD15**	**BD16**	**BD17[17]**	**BD14A**	**BD15A**	**BD16A**	**BD17A[17]**	**BD14AG**	**BD15AG**	**BD16AG**	**BD17AG[17]**
Corning Cable Sys.	**VPED**	**(20)**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
	OptiDrop	**(19) (21)**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**

Notes:
(19) Fiber Optic Housings
(21) Acceptance includes OptiSheath Advantage Terminals

8. BreezeACCESS & BreezeNET (Item wl-u) – Alvarion

Committee A granted RUS product acceptance to Alvarion's radio equipment. This equipment will be included in the *RUS List of Materials Acceptable for Use on Telecommunications Systems of RUS Borrowers,* as follows:

wn-u - Unlicensed

Manufacturer	Product	Technology
Alvarion	BreezeACCESS®(9)	Broadband
	BreezeNET®(10)	Broadband

Notes:

- 9. Includes the BreezeACCESS II, BreezeACCESS 900, and BreezeACCESS VL. The BreezeACCESS VL is available in the 5.725-5.850, 5.47-5.725, 5.15-5.35, 5.03-5.091bands, and includes the following customer premises equipment:: SU-A -ff-3-1D-VL , SU- A-ff-6-1D-VL , SU- A-ff-6-BD-VL, and SU- A-ff-54-BD-VL. The BreezeACCESS 900 operates in the 902-928 MHz ISM band and includes the following CPU equipment: the SU-I-1D900, and SU-M5-900-8D units. The BreezeACCESS II operates in the ISM 2.400-2.4835 GHz band and includes the following CPU equipment: SU-A , SU-RA, SU-E, SU-RE, SU-A-1d-2.4, SU-A-BD-2.4, SU-A-1D1V-2.4, SU-A-BD1V-2.4, SU-E-1D-2.4, SU-E-BD-2.4, SE-1D1V-2.4, SU-E-BD-1V-2.4, SU-ID-1D -2.4, SU-ID-BD-2.4, SU-R, and SU-M5-2.4.

10. Includes the BreezeNET® B, BreezeNET® CX, and BreezeNET® SU-M. The BreezeNET® B operates in the 5.72-5.850, 5.47-5.75, and 5.1-5.35 GHz bands. The BreezeNET® CX operates in the 2.4-2.4835 ISM frequency band. BreezeNET® SU-M operates in the 2,400-2.4835 and 902-928 GHz bands.

9. Canopy Subscriber Modules 2.4, 5.2, & 5.7 GHz (Item wl-u)

Committee accepted an amendment to Motorola's Canopy Platform listing to include Canopy Advantage Subscriber Module units, bundle packs, and Demo & Starter Kits, as shown below:

wn – Wireless Networks

wn-u Unlicensed

Manufacturer	Product	Technology
Motorola	Canopy™ Platform (4)	Broadband

Notes:

(4) Accepted the 900 MHz, 2.4, 5.2 and 5.7 GHz wireless systems based on the Canopy™ Platform. Acceptance includes Canopy Advantage Subscriber Module units, bundle packs, and Demo & Starter Kits. Manufacturer's recommended shielded cables are acceptable for this platform's use only.

Miscellaneous Items

I. Committee A sent a July 30, 2005 letter granting Coppercom approval-to-bid for the Next Gen software release 3.0 with IP capability for your CSX 1100 and CSX 2100 Next Gen switches.

II. Committee A sent a July 30, 2005 letter granting Tekelec approval-to-bid for the software Release 5.0.0 for the Tekelec 3000 Media Gateway Controller, Tekelec 8000 Media Gateway, and Tekelec 9000 Distributed Switching System.

III. Committee A sent Pirelli an August 30, 2005 letter approving the use an alternate buffer tube and its filling compound on the RUS accepted Central Link design. The Central Link CD cable will be included in the RUS List of Acceptable Materials as follows:

oc-Fiber Optic Cable

RUS Standard Designations "BFO", "CO", and "UO" (Filled) 7 CFR 1755.900
These manufacturers' cables shown by catalog designations comply with 7 CFR 1755.900.

oc-a Unit Core or Central Core Tube Fiber Core Construction

RUS Standard Suffixes

Cable Construction

						Mode	
Manufacturer	**A(1)**	**B(1)**	**C**	**D**	**P(2)**	**s**	**m**
	-	713X	71SX	-	-	X	-
Pirelli(5)		-	-	CentraLink™(4)(20)	-	X	-
		-	-	CentraLink™CD(4)(20)	-	X	-

IV. Committee A sent a September 7, 2005 letter granting RUS product acceptance to the Armorcast's 17"x30" polymer box as a handhole for fiber optic systems. This handhole will be included in the List of Acceptable Materials as follows:

2.4.2
04-05
hh

hh - Handholes(1)(2)

Handholes for Fiber Optic Systems

Manufacturer	**Catalog Number**
Armorcast	6001640 (17x30)

Notes: (1)Not for use in areas subject to vehicular traffic, unless otherwise noted.

(2)Consult the manufacturer for ordering procedures for handhole depth and lid/cover locking devices and load bearing capacity.

VI. Committee A sent a September 14, 2005 letter granting RUS product acceptance to the Synertech's handholes model 2436, 3048, and 3660 for fiber optic systems. The handholes will be included in the List of Acceptable Materials as follows:

hh - Handholes(1)(2)

Handholes for Fiber Optic Systems

Manufacturer	Catalog Number
Synertech	S2436B18AA (18"X34"X36") S2436B24AA (24"X35"X47") S2436B26AA (36"X37"X49") S3048B18AA (18"X40"X58") S3048B24AA (24"X41"X59") S3048B36AA (36"X43"X61") S3660B18A (18"X46"X70") S3660B24A (24"X47"X71") S3660B36A (36"X48"X72")

Notes: (1)Not for use in areas subject to vehicular traffic, unless otherwise noted.

(2)Consult the manufacturer for ordering procedures for handhole depth and lid/cover locking devices and load bearing capacity.

VII. Committee A sent a September 22, 2005 letter to Alloptic notifying that we will include the GigaForce product in the List of Acceptable Materials as follows:

6.1

07-05

ae

ae - Access Equipment

Manufacturer	Product	Copper	Fiber	Wireless
Alloptic	GigaForce[(20)]	N	Y	N

[(20)]Gigabit Ethernet Access Routers (GEAR) includes edgeGEAR, homeGEAR, bizGEAR, and mduGEAR

The Committee scheduled the next meeting for November 17, 2005, at 9 am, EST.

Sincerely,

/s/ Norberto Esteves

NORBERTO ESTEVES
Chairman, Technical Standards
Committee "A" (Telecommunications)
Rural Development Telecommunications Program

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